



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RB H4713-1
Job Sheet 173191



Part No: RB H4713-1

Job Qty: 4 ea

Part Name: Drain Hose Body



Part Weight: 0 lbs

Job Created: 2/26/18

Due Date: 3/16/18

Type: SOLD

Status: Scheduled

Priority: Medium

Job Tracking No:

Created By: Marie Lajeunesse

Description:

Note: DWG RB H4713 Rev 4 IPP Rev A 18.02.23 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup	Run	Workcenter / Supplier	Lead Time	
90	Start up Operation	4 Ea		3/8/18	0.00	0.00	Start Up Machining-4		JK 18-5-11
110	CNC Lathe	4 pcs		3/9/18	0.00	4.00	MORI SL-154		JK
120	QC	4 pcs		3/9/18	0.00	0.00	QC2		JK
130	QC	4 pcs		3/9/18	0.00	0.00	QC8		JK
150	Outsource	4 pcs		3/16/18			ATG001-VC	5	De 18-05-16
160	Packaging	4 pcs		3/16/18	0.00	0.00	Packaging2		CC 18-5-17
170	QC	4 pcs		3/16/18	0.00	0.00	QC6		ATG 18-05-28
180	Packaging	4 pcs		3/16/18	0.00	0.00	Packaging3		DAS 38
190	QC21-SA	4 Ea		3/16/18	0.00	0.00	QC21		GA 674 18-05-28

Part Op 110 - 1-Machine as per DWG. FB 944 FOLIO REV: _____ DWG REV: _____ 2-Debur

Descriptions: 120 - Engrave T/N and/or P/N number using Marktronic engraver as per DWG.

150 - Issue P/O to ATG : PO 3939 -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant As Per Dwg RB910-0020-1 Rev. 2

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R1.125	6061 Round Bar 1.125	.1120 ft (.028 ea)	90-Start up Operation	SC61729

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M6061T6R1.125	0	3.0	0

Part Specifications



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Id not be found.

Plex 2/26/18 4:07 PM Dart.lajeunesse.marie

Container No: S070398



Part: RB H4713-1

Job No: 173191

Serial No/Batch: S070398

Revision: 4

Inspector:

Date: 05/11/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

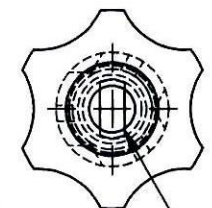
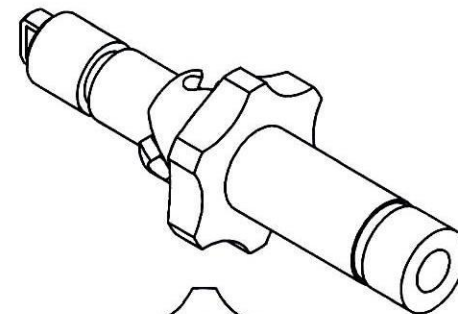
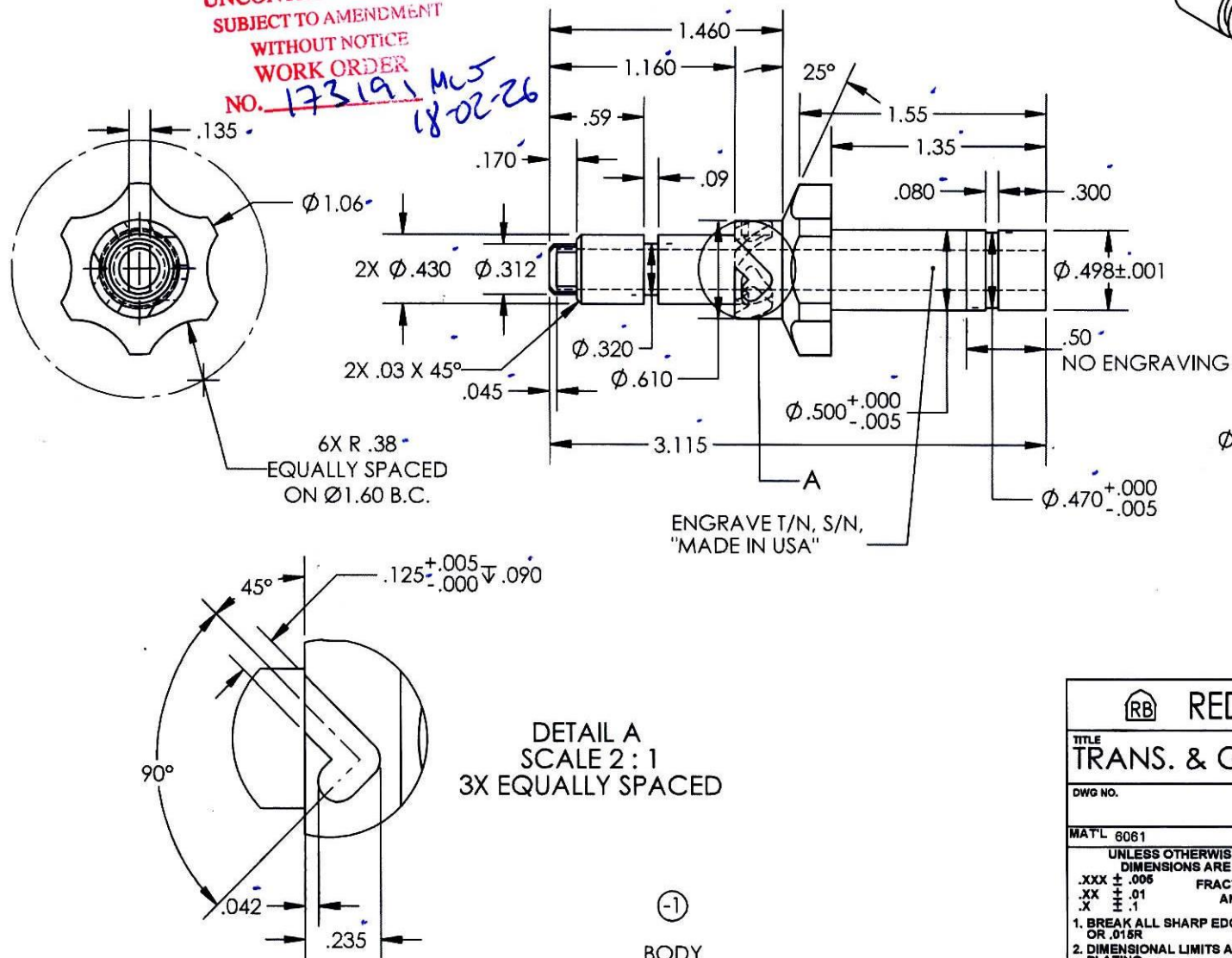
QA Closed: _____ Date: _____ Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	INCREASED STEM LENGHT FROM .80 TO 1.35, REMOVED BARB ADDED GROOVE.	7/24/2012	JAG	RW
4	-1 CH'D ANGLE OF LOCK GROOVES SEAT WAS 60° IS 90°. CH'D DIM'S WAS .125 IS .125 +.005 -.000 Ψ .090, WAS $\emptyset$.250 Ψ 3.07 IS $\emptyset$.25 Ψ 3.07 MAX. DELETED 6X .11. (.244), (.096), ADDED NOTES WAS .50 IS .50 NO ENGRAVING, CH'D DIM WAS 6X R.38 IS 6X R.38 EQUALLY SPACED ON $\emptyset$ 1.60 B.C., CH'D NOTE WAS ENGRAVE T/N IS ENGRAVE T/N S/DL "MADE IN USA"	2/12/14	DPD	GE

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 17319



Ø.25▽3.07 MAX-

DETAIL A
SCALE 2 : 1
3X EQUALLY SPACED

①
BODY

		RED BARN MACHINE	
TITLE TRANS. & GEAR BOX DRAIN TOOL			
DWG NO.		RB H4713-1	
MAT'L 6061		DRAWN BY: ROBERTS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/32 .XX ± .01 ANGLES ± .5° .X ± .1		APPROVED <i>D Weil</i>	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		REAT TREAT FINISH RED ANODIZE SPEC MIL-A-8625F TYPE II CLASS II USED ON MODEL SHT 1 NOTE 2	
SCALE 1:1	DATE 8/29/2000	SHEET 2 OF 2	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐				

DART AEROSPACE LTD		Work Order:	173191
Description: Drain hose body		Part Number:	RB 44713-1
Inspection Dwg: RB 44713-1	Rev: 4	Page 1 of 1	

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
.135	±.005	0.136	✓		Vernier C/C-19	
1.06	±.01	1.063	✓		VERN	SL-1
R.38	±.01	R.375	✓			
.125	+0.005 -0	.125	✓			
↓.090	±.005	.089	✓			
.042	±.005	.044	✓			
.235	±.005	.230	✓			
.430	±.005	.430	✓			
.312	±.005	.312	✓			
.03X45°	±.01 ±.5°	.03X45°	✓			
.045	±.005	.050"	✓		Vernier C/C-19	
.320	±.005	.321	✓			
.610	±.005	.610	✓			
3.115	±.005	3.114	✓			
.500	+0 -0.005	.498	✓		mic	SL-4
.470	+0 -0.005	.4675	✓			
.498	±.001	.498	✓		mic	SL-4
.300	±.005	.300	✓		VERN	
.080	±.005	.08	✓			
1.35	±.01	1.35	✓			
1.55	±.01	1.55	✓			
1.460	±.005	1.460	✓			
1.160	±.005	1.160	✓			
.09	±.01	.090	✓			
.59	±.01	.590	✓			
.170	±.005	.170	✓			
0.25	±.01	.254	✓			
↓3.07	+0 -.01	3.066	✓			

Measured by: JL / 18/5/16	Checked by: D.F.	QC Inspector:
Date: 18-5-11	Date: 18-05-16	Date:

Engineering Approval: (if necessary)	Date:
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Rev	Date	Change	Revised by	Approved
A	14.07.31	New Issue	KJ	

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039939**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039939

PO Date: 5/17/18

Due Date: 5/25/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	173191	RB H4713-1	Drain Hose Body -Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant As Per Dwg RB910-0020-1 Rev. 2	Firmed	5/25/18	10 pcs	0 pcs ✓ 10x	10 pcs	\$19.54/pcs AT 19/05/25	\$195.40

Grand Total: \$195.40

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retension of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

CE

DAG
38
9-89

Plex 5/25/18 11:32 AM dart.tsimiklis.chrisoula



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039939**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalande, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039939

PO Date: 5/17/18

Due Date: 5/25/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Tsimiklis, ChrisoulaPhone:

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		RB H4749-1	Drain Hose Body -Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required **17191***	Firmed	5/25/18	10 pcs	0 pcs	10 pcs	\$19.54/pcs	\$195.40
2	176693	D4726-1	Handle - Anodize black, PER IAW MIL-8625F TYPE III CLASS 2 AS PER DWG. - certification of conformity is required	Firmed	5/25/18	12 pcs	0 pcs	12 pcs	\$15.54/pcs	\$186.48
	177625			Firmed	5/25/18	4 pcs	4 pcs	4 pcs	\$15.54/pcs	\$62.16
Sub Total:						16	0	16		\$248.64

Grand Total: \$444.04

Order Notes

CC



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915237

Date: 25-May-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
10 ea	Part: RBH4749-1 Drain Hose Body Anodize per MIL-A-8625F, Type II, Class 2, Red, Water Sealant, .0004-.0010" (4 - 1 mils). Job: 23124 PO: PO039939 Line: 1		
Rev:			
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>25/5/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			

DAS
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